

(12) **United States Patent**  
**Kolhouse et al.**

(10) **Patent No.:** **US 9,926,904 B2**  
(45) **Date of Patent:** **Mar. 27, 2018**

(54) **VARIABLE IGNITION ENERGY  
MANAGEMENT**

(56) **References Cited**

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 700 days.

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(21) Appl. No.: **14/506,032**

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(22) Filed: **Oct. 3, 2014**

International Search Report and Written Opinion for PCT/US2015/  
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(65) **Prior Publication Data**

US 2016/0097366 A1 Apr. 7, 2016

(Continued)

(51) **Int. Cl.**

**F02P 9/00** (2006.01)  
**F02P 15/08** (2006.01)  
**F02D 41/00** (2006.01)  
**F02M 25/07** (2006.01)  
**F02P 15/00** (2006.01)  
**F02D 35/02** (2006.01)

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(52) **U.S. Cl.**

CPC ..... **F02P 9/002** (2013.01); **F02D 41/005**  
(2013.01); **F02M 25/077** (2013.01); **F02M**  
**25/0726** (2013.01); **F02M 25/0754** (2013.01);  
**F02M 25/0755** (2013.01); **F02P 15/006**  
(2013.01); **F02P 15/08** (2013.01); **F02D**  
**35/023** (2013.01); **F02D 35/025** (2013.01);  
**F02D 35/027** (2013.01); **F02D 41/0072**  
(2013.01)

(57)

**ABSTRACT**

A method for energy ignition management of a spark-  
ignition engine includes receiving, by a controller, at least  
one ignition energy characteristic to affect control of at least  
one combustion cylinder. The method further includes con-  
trolling the at least one combustion cylinder via the con-  
troller. Controlling the at least one combustion cylinder via  
the controller includes adjusting the at least one ignition  
energy characteristic in response to at least one operating  
condition of the engine. The at least one ignition energy  
characteristic is a magnitude of one of a current or voltage  
of spark energy.

(58) **Field of Classification Search**

CPC ..... F02P 9/002; F02P 15/12  
See application file for complete search history.

**16 Claims, 3 Drawing Sheets**

